Transfer Agreement
Between
Rose State College
and
University of Central Oklahoma

Effective Academic Year: 2015-2016

Associate in Science Degree in Mathematics – Computer Science Emphasis

and

Bachelor of Science – Software Engineering

Dr. Gang Qian, Chair
Department of Computer Science
8/20/2015

Dr. Wei Chen, Interim Dean
College of Math and Science
8/15/2015

Dr. John Barthell, Provost
Vice President for Academic Affairs

10/12/15
Date

10/19/15
Date

24 August, 2015
Date
Transfer Agreement
Rose State College: A.S.-Mathematics - Computer Science Emphasis and
University of Central Oklahoma: B.S.-Software Engineering
Major Code: 6110

Rose State College Courses
General Education as stated in RSC Catalog
ENGL 1113 English Composition I
ENGL 1213 English Composition II
HIST 1493 U.S. History since 1877 or
HIST 1483 U.S. History to 1877
POLS 1113 American Federal Government
Life Science (3-4)
HUM (6)
HPER (2)
Liberal Arts Elective (3)

MATH 2113 Calculus and Analytical Geometry I
MATH 2123 Calculus and Analytical Geometry II
MATH 2143 Calculus and Analytical Geometry III
MATH 2153 Calculus and Analytical Geometry IV
MATH 2103 Discrete Math
STAT 2853 Intro. to Statistics for Engineering and Science
CIT 1113 Fund of Computer & Programming Logic
CIT 1173 C++ Language
CIT 2173 Windows® Programming in C++ .NET

UCO requirement
ENG 1113 English Composition
ENG 1213 English Composition and Research
HIST 1493 History of U.S. since 1877
HIST 1483 History of U.S. to 1877
POL 1113 American National Government
RSC A.S. completes UCO University Core Requirements.

MATH 2313 Calculus 1
MATH 2313 Calculus 2
MATH 2333 Calculus 3
MATH 2343 Calculus 4
CMSC 2123 Discrete Structures (Sub.)
STAT 2113 Statistical Methods
CMSC 1513 Beginning Programming
CMSC 1613 Programming I
CMSC 2000-level elective

PHYS 2434 Physics I for Eng. & Science Majors and
PHYS 2401 General Physics Laboratory I
PHYS 2444 Physics II for Eng. & Science Major and
PHYS 2411 General Physics Laboratory II

*Total 62-64

*To include additional course work required for the A.S. as presented in the RSC Catalog.

To be taken at the University of Central Oklahoma.............................................60-62

Major Requirements

Software Engineering ................................................................. 49
Required................................................................. 34
^CMSC 2613 Programming II
^CMSC 2833 Computer Organization I
^CMSC 3103 Object Oriented Software Design and Construction
^CMSC 3613 Data Structures and Algorithms
^CMSC  4003  Applications of Database Management Systems  
^CMSC  4153  Operating Systems  
^CMSC  4283  Software Engineering I  
^CMSC  4401  Ethics in Computing  
^SE    4423  Software Engineering II  
^SE    4433  Software Architecture and Design  
^SE    4513  Software Engineering Senior Project *  
^MATH  3143  Linear Algebra  

^A grade of "C" or better must be earned in CMSC 1613, 2123, 2613, 2833, 3103, 3613, 4003, 4153, 4283, 4401, SE 4423, 4433, 4513, MATH 2313, 2323, 2333, 3143, and STAT (2113 or 2103 or 4113). 

* SE 4513 is recommended to be taken in the last semester prior to graduation.  

Elective Courses ........................................................................................................... 9  

Choose nine (9) hours from one of the two application areas:  

Application: Development  
CMSC  3413  Advanced Visual Programming  
CMSC  4133  Concepts of Artificial Intelligence  
CMSC  4303  Mobile Apps Programming  
CMSC  4373  Web Server Programming  

System: Development  
CMSC  4023  Programming Languages  
CMSC  4063  Networks  
CMSC  4173  Translator Design  
CMSC  4193  Introduction to Robotics  
CMSC  4323  Computer and Network Security  

Elective CMSC or SE Courses ..................................................................................... 6  

Any 3/4000 level CMSC or SE courses except CMSC 4513  
Any programming labs (CMSC 1621, 2621, and 3621)  

No more than three (3) hours of Internship and Individual Study combined may be used to satisfy the CMSC or SE elective requirement.  

Credit cannot be received for both CMSC 3303 and 4283.  

Electives to bring total to....................................................................................... 124  

Minimum Grade Requirements  
Average in (a) all college course work, (b) course work at UCO, and (c) major courses ...... 2.00  

For other regulations pertaining to graduation, see the UCO 2015-2016 Undergraduate Catalog.